

ABSTRACT

A system and method for securely transferring computer-readable objects across a remote boundary is provided. The method decomposes any type of object into a hierarchy of sub-components based on a list of known object types. Each sub-component either corresponds to a known object type or an unknown object type. The unknown object types may be decomposed further into known object types at another level in the hierarchy. The known objects in the hierarchy are serialized into a package that is transmitted to a remote entity. The remote entity reconstructs the hierarchy. For any of the known object types, the remote entity instantiates an object of the known object type and populates the object with information transmitted in the package. The decomposition may be limited by specifying a level for the hierarchy, specifying a number that limits the known objects that are serialized, or specifying the properties within the object to serialize.